

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|------------------|
| L1 | 12 | "3,899,333" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 14:26 |
| L2 | 4 | "2886434".pn. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 14:27 |
| L3 | 4 | "3360341".pn. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 14:27 |
| L4 | 2 | "20060072437" and thickness | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 14:35 |
| L5 | 653141 | (particles or nano-particles or nanoparticles or fine-particles).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:07 |
| L6 | 3448 | i5 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:07 |
| L7 | 443349 | (particles or nano-particles or nanoparticles or fine-particles) same (resin or glass or polymer or binder) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:08 |
| L8 | 1244 | i6 and i7 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:08 |

| | | | | | | |
|-----|---------|--|---|----|-----|---------------------|
| L9 | 814 | i8 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:08 |
| L10 | 85 | i9 and (tiO or Ti-O or (titanium adj oxide) or (titanium adj dioxide) or "tio.sub.2" or "tio.sub">\$3 or ((ti or titanium) with oxide)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:10 |
| L11 | 0 | "7313080".pn. and inorganice | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:26 |
| L12 | 1 | "7313080".pn. and inorganic | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:26 |
| L13 | 500922 | (multi-layer or multi-level or multi-stack or ((many or plural or plurality or several or multiple or multi) near3 (film or layer or stack))) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 15:46 |
| L14 | 707442 | ((multi-layer or multi-level or multi-stack or ((many or plural or plurality or several or multiple or multi) near3 (film or layer or stack))) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:46 |
| L15 | 7630 | i14 with ((optical or laser or information) near5 (disc or disk or media or medium)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:47 |
| L16 | 1914300 | (particles or nano-particles or fine-particles or nanoparticles) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:47 |
| L17 | 621429 | (particles or nano-particles or fine-particles or nanoparticles) same (resin or binder or glass or polymer) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:47 |

| | | | | | | |
|-----|--------|--|---|----|----|---------------------|
| L18 | 381 | I15 and I17 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:47 |
| L19 | 181 | I18 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:48 |
| L20 | 404742 | ((ti or titanium) with (oxide or dioxide)) or "ti- o" or "tio.sub.2" or (titanium adj dioxide) or (titanium adj oxide) or "tio. sub">\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:51 |
| L21 | 181 | I19 and I18 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:55 |
| L22 | 77 | I19 and I20 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:56 |
| L23 | 785799 | ((ti or titanium) with (oxide or dioxide)) or "ti- o" or "tio.sub.2" or (titanium adj dioxide) or (titanium adj oxide) or "tio. sub">\$3 or titania | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:58 |
| L24 | 87 | I19 and I23 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 15:58 |
| L25 | 2 | "5448582".pn. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 16:10 |
| L26 | 2 | "6759137".pn. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 16:36 |

| | | | | | | |
|-----|--------|---|--|----|-----|------------------|
| L27 | 2 | "6759137".pn. and wavelength | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 16:55 |
| L28 | 7647 | "inorganic fine particles" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 17:22 |
| L29 | 82 | I28 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:22 |
| L30 | 24 | I29 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:24 |
| L31 | 139231 | ((resin or polymer or binder) with (particles or nanoparticles or nano-particles or \$6particles)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:27 |
| L32 | 6176 | I31 with (record\$4 or data or information) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:27 |
| L33 | 261 | I32 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:27 |
| L34 | 185 | I33 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:28 |
| L35 | 170186 | ((resin or polymer or binder or glass or inorganic) with (particles or nanoparticles or nano-particles or \$6particles)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:30 |

| | | | | | | |
|-----|--------|--|--|----|-----|------------------|
| L36 | 7035 | I35 with (record\$4 or data or information) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:30 |
| L37 | 329 | I36 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:30 |
| L38 | 236 | I37 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:30 |
| L39 | 7 | I38 and ((intermediate or separating or separation or spacer) near2 (film or layer)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:39 |
| L40 | 203220 | (multi-layer or multi-level or multi-stack or ((many or plural or plurality or several or multiple or multi) near3 (film or layer or stack))).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 17:41 |
| L41 | 2011 | I40 and I35 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 17:42 |
| L42 | 123 | I41 and ((intermediate or separating or separation or spacer) near2 (film or layer)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:42 |
| L43 | 79 | I42 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:42 |
| L44 | 17525 | (shiono or yamamoto or nishino or mitsuyu) .in. and particle\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:47 |

| | | | | | | |
|-----|-------|--|--|----|-----|---------------------|
| L45 | 17525 | (shiono or yamamoto or nishino or mitsuyu).in. and particle\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:47 |
| L46 | 9773 | I45 and (polymer or resin or binder or glass) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:47 |
| L47 | 520 | I46 and (matsushita).asn. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 17:47 |
| L48 | 15 | "5,559,784" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:03 |
| L49 | 12 | "6,291,132" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:08 |
| L50 | 14041 | kawano.in. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:11 |
| L51 | 481 | I50 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:11 |
| L52 | 12 | I51 and (particles or atoms or nanoparticles or nano-particles) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:11 |
| L53 | 154 | kawano.in. and hologra\$6 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 18:13 |

| | | | | | | |
|-----|-----|--|---|----|----|---------------------|
| L54 | 22 | I53 and I14 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:13 |
| L55 | 4 | I54 and (particles or nanoparticles or nano-particles or atoms) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:16 |
| L56 | 659 | 430/270.11 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:19 |
| L57 | 588 | 430/270.11.cols. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:19 |
| L58 | 147 | I57 and ((intermediate or spacer or separation or separating) near3 (film or layer)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:20 |
| L59 | 4 | I55 and (particles or nanoparticles or nano-particles or atoms) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:20 |
| L60 | 80 | ozaki.in. and "tio.sub.2" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:26 |
| L61 | 44 | I60 and (resin or polymer or binder) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:27 |
| L62 | 1 | "5763009".pn. and "3" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:30 |

| | | | | | | |
|-----|-------|---|--|----|----|------------------|
| L63 | 9072 | (ZNO or (zinc adj oxide)) near3 (particles or atoms or nano-particles or nanoparticles) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:32 |
| L64 | 3497 | l63 same (resin or polymer or glass or binder) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:32 |
| L65 | 2252 | l63 with (resin or polymer or glass or binder) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:33 |
| L66 | 464 | (multi-layer or multi-level or multi-stack or ((many or plural or plurality or several or multiple or multi) near3 (film or layer or stack))) and l65 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:33 |
| L67 | 289 | l66 and @ad<"20030901" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:34 |
| L68 | 92 | l67 and ((intermediate or spacer or separation or separating) near3 (film or layer)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:34 |
| L69 | 9 | ("tio.sub.2" adj2 (nanoparticles or particles or nano-particles) with ("siO.sub.2" near3 matrix) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:51 |
| L70 | 4 | ("tio.sub.2" adj2 (nanoparticles or particles or nano-particles) with (glass near3 matrix) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 18:52 |
| L71 | 22480 | matrix with (silica or "sio. sub.2" or sio or ((si or silicon) adj (oxide or dioxide))) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 19:01 |

| | | | | | | |
|-----|---------|---|--|----|-----|---------------------|
| L72 | 3808 | i71 with (particles or nanoparticles or nano-particles) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 19:01 |
| L73 | 575 | i72 and "tio.sub.2" | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/16 19:01 |
| L74 | 16 | i73 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:02 |
| L75 | 0 | ("sio.sub.2" with "tio.sub.2") | JPO | OR | OFF | 2008/09/16 19:09 |
| L76 | 1084 | ((("sio.sub.2" or (silicon adj \$3oxide)) with ("tio.sub.2" or (titanium adj \$3oxide))) | JPO | OR | OFF | 2008/09/16 19:10 |
| L77 | 12 | i76 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | JPO | OR | OFF | 2008/09/16 19:11 |
| L78 | 3060 | (((titanium or ti) adj \$3oxide) or "tio.sub.2" or "tio.sub.\$3 or tio or "ti-o") with (particles or nanoparticles or nano-particles) | JPO | OR | OFF | 2008/09/16 19:15 |
| L79 | 33 | i78 same ((glass or dielectric or "sio.sub.2") with (matrix or binder)) | JPO | OR | OFF | 2008/09/16 19:16 |
| L80 | 13520 | (((titanium or ti) adj \$3oxide) or "tio.sub.2" or "tio.sub.\$3 or tio or "ti-o") with (particles or nanoparticles or nano-particles) | USPAT | OR | OFF | 2008/09/16 19:19 |
| L81 | 237 | i80 same ((glass or dielectric or "sio.sub.2") with (matrix or binder)) | USPAT | OR | OFF | 2008/09/16 19:20 |
| L82 | 3749064 | i81 @ad<"20030901" | USPAT | OR | OFF | 2008/09/16 19:20 |
| L83 | 218 | i81 and @ad<"20030901" | USPAT | OR | OFF | 2008/09/16 19:20 |

| | | | | | | |
|-----|--------|---|---|----|-----|---------------------|
| L84 | 5921 | (record\$4 or data or information) with ((resin or polymer or binder) and (nanoparticles or nano-particles or particles)) | USPAT | OR | OFF | 2008/09/16 19:37 |
| L85 | 109052 | ((intermediate or separation or separating or spacer) near2 (film or layer)) | USPAT | OR | ON | 2008/09/16 19:38 |
| L86 | 1259 | I84 and I85 | USPAT | OR | ON | 2008/09/16 19:38 |
| L87 | 113 | I66 and ((optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:38 |
| L88 | 0 | JP-20016208-\$,did. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:48 |
| L89 | 2 | JP-08109226-\$,did. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:48 |
| L90 | 0 | JP-200330851-\$,did. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:48 |
| L91 | 337 | alperovich .in. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:51 |
| L92 | 17 | alperovich .in. and ((Optical or laser or information) near5 (disc or disk or media or medium)).ti,ab. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/16 19:58 |

9/16/2008 8:19:04 PM

C:\Documents and Settings\averderame\My Documents\EAST\Workspaces\default.wsp